

**§ 178.255-11**

**§ 178.255-11 Tank mountings.**

(a) Tanks shall be designed and fabricated with mountings to provide a secure base in transit. "Skids" or similar devices shall be deemed to comply with this requirement.

(b) All tank mountings such as skids, fastenings, brackets, cradles, lifting lugs, etc., intended to carry loadings shall be permanently secured to tanks in accordance with the requirements under which the tanks are fabricated, and shall be designed with a factor of safety of four, and built to withstand loadings in any direction equal to two times the weight of the tanks and attachments when filled to the maximum permissible loaded weight.

(c) Lifting lugs or side hold-down lugs shall be provided on the tank mountings in a manner suitable for attaching lifting gear and hold-down devices. Lifting lugs and hold-down lugs welded directly to the tank shall be of the pad-eye type. Doubling plates welded to the tank and located at the points of support shall be deemed to comply with this requirement.

(d) All tank mountings shall be so designed as to prevent the concentration of excessive loads on the tank shell.

**§ 178.255-12 Pressure test.**

(a) Each completed portable tank prior to application of lining shall be tested before being put into transportation service by completely filling the tank with water or other liquid having a similar viscosity, the temperature of which shall not exceed 100 °F during the test, and applying a pressure of 60 psig. The tank shall be capable of holding the prescribed pressure for at least 10 minutes without leakage, evidence of impending failure, or failure. All closures shall be in place while the test is made and the pressure shall be gauged at the top of the tank. Safety devices and/or vents shall be plugged during this test.

(b) [Reserved]

[29 FR 18972, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, as amended by Amdt. 178-104, 59 FR 49135, Sept. 26, 1994]

**§ 178.255-13 Repair of tanks.**

(a) Tanks failing to meet the test may be repaired and retested, provided

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that repairs are made in complete compliance with the requirements of this specification.

(b) [Reserved]

**§ 178.255-14 Marking.**

(a) In addition to marking required by the American Society of Mechanical Engineers Code, every tank shall bear permanent marks at least 1/8-inch high stamped into the metal near the center of one of the tank heads or stamped into a plate permanently attached to the tank by means of brazing or welding or other suitable means as follows:

Manufacturer's name — Serial No. \_\_\_\_\_  
DOT specification \_\_\_\_\_  
Nominal capacity \_\_\_\_\_ (gallons)  
Tare weight \_\_\_\_\_ (pounds)  
Date of manufacture \_\_\_\_\_

(b) [Reserved]

[29 FR 18972, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and amended by Amdt. 178-67, 46 FR 49906, Oct. 8, 1981]

**§ 178.255-15 Report.**

(a) A copy of the manufacturer's data report required by the Code (See § 178.245-1(a)) under which the tank is fabricated must be furnished to the owner for each new tank.

Place \_\_\_\_\_  
Date \_\_\_\_\_  
*Portable tank*  
Manufactured for \_\_\_\_\_ Company  
Location \_\_\_\_\_  
Manufactured by \_\_\_\_\_ Company  
Location \_\_\_\_\_  
Consigned to \_\_\_\_\_ Company  
Location \_\_\_\_\_  
Size \_\_\_\_\_ feet outside diameter by \_\_\_\_\_ long.  
Marks on tank as prescribed by § 178.255-14 of this specification are as follows:  
Manufacturer's name \_\_\_\_\_  
Serial number \_\_\_\_\_  
Owner's serial number \_\_\_\_\_  
DOT specification \_\_\_\_\_  
ASME Code Symbol (par U-201) \_\_\_\_\_  
Date of manufacture \_\_\_\_\_  
Nominal capacity \_\_\_\_\_ gallons.  
It is hereby certified that this tank is in complete compliance with the requirements of DOT specification No. 60.  
(Signed) \_\_\_\_\_

Manufacturer or owner

(b) [Reserved]

[29 FR 18972, Dec. 29, 1964. Redesignated at 32 FR 5606, Apr. 5, 1967, and amended by Amdt. 178-83, 50 FR 11066, Mar. 19, 1985]